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EXAMINER

LIN, KELVIN Y

ART UNIT PAPER NUMBER

2142

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/087,995

Applicant(s)

WILLIAMS ET AL.

Examiner

Kelvin Lin

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/9/02
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____

Detailed Action

Claim Objections

Claim 9 is objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claims can only refer to preceding claims in the alternative. See MEPE 608.01(n). Accordingly, claim 9 has not been further treated on the merits.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-8, 10-34, and 38-41 are rejected under 35 U.S.C 102(e) as being anticipated by Fodor et al., (US PG Pub No. 2001/0027490)
2. Regarding claim 1, Fodor teaches a method implemented in a mobile terminal for use in setting up a multimedia session between the mobile terminal and a remote host by way of an access point coupled to a packet data network (Fodor, [0089]), comprising:

- sending a request message associated with the multimedia session to the access point requesting a packet access bearer between the mobile terminal and the access point (Fodor, [0014], [0091],[0128]); and
- setting an indicator in the request message indicating that the access point should function as a communications protocol proxy for the mobile terminal for a media data stream of the multimedia session (Fodor, [0016], [0166]).

3. Regarding claim 2, Fodor further discloses a method in claim 1, wherein the request message indicates a particular quality of service associated with the packet access bearer (Fodor, [0035], [0046]).

4. Regarding claim 3, Fodor further discloses a method in claim 1, wherein the communications protocol is used to reserve communication resources for the media data stream of the multimedia session (Fodor, [0165]).

5. Regarding claim 4, Fodor further discloses a method in claim 3, wherein the communications protocol is the resource reservation protocol (RSVP), and the communications protocol proxy is an RSVP proxy for the mobile terminal during the multimedia session (Fodor, [0165]-[0166]).

6. Regarding claim 5, Fodor further discloses a method in claim 4, wherein the request message is a Packet Data Protocol (PDP) context request message and the indicator is an RSVP proxy flag (Fodor, [0165]-[0166]).

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7. Regarding claim 6, Fodor further discloses a method in claim 5, wherein the PDP context request message includes the RSVP proxy flag as a PDP configuration option (PCO) (Fodor, [0168]) .

8. Regarding claim 7, Fodor further discloses a method in claim 1, wherein the mobile terminal is a user equipment that communicates with a General Packet Radio Service (GPRS) access network by way of a Universal Mobile Telecommunication Services (UMTS) Terrestrial Radio Access Network (UTRAN), and wherein the access point is a Gateway GPRS Service Node (GGSN) (Fodor, fig. 25).

9. Regarding claim 8, Fodor further discloses a method implemented in an access point coupled to a packet data network for use in setting up a multimedia session between a mobile terminal and a remote host, comprising:

- receiving from the mobile terminal a request message for a packet access bearer between the mobile terminal and the access point for the multimedia session (Fodor, [0091],[0165])
- detecting an indicator in the request message indicating that the access point should function as a communications protocol proxy for the mobile terminal for a media data stream of the multimedia session (Fodor, [0091],[0166]); and
- performing as the communications protocol proxy for the mobile terminal for the media data stream of the multimedia session (Fodor, [0167]).

10. Regarding claims 10-12 have similar limitation as claims 2-5. Therefore,

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claims 10-12 are rejected under Fodor for the same reason set forth in the rejection of claims 2-5.

11. Regarding claim 13, Fodor further discloses a method in claim 11, further comprising:

- when the indicator is set, installing an RSVP proxy state process for the media data stream of the multimedia session in the access point from a multimedia server (Fodor, [0167]).

12. Regarding claim 14, Fodor further discloses a method in claim 13, wherein when the RSVP proxy state process for the multimedia session is installed in the access point, the access point generates an RSVP PATH message directed to the remote host and in response thereto receives an RSVP RESV message from the remote host on behalf of the mobile terminal, the access point storing information received in the RSVP RESV message from the remote host (Fodor, [0167]).

13. Regarding claim 15, Fodor further discloses a method in claim 13, wherein the access point retrieves authorization information for the media data stream of the multimedia session from a multimedia server (Fodor, [0071]-[0072]).

14. Regarding claim 16, Fodor further discloses a method in claim 13, wherein the access point retrieves quality of service information for the media data stream of the multimedia session and uses the retrieved quality of service information to generate and respond to RSVP messages on behalf of the mobile terminal (Fodor, [0091]).

15. Regarding claim 17, Fodor further discloses a method in claim 13, wherein the mobile terminal is a user equipment that communicates with a General Packet Radio Service (GPRS) access network by way of a Universal Mobile Telecommunication Services (UMTS) terrestrial radio access network (UTRAN), and wherein the access point is a gateway GPRS service node (GGSN) (Fodor, fig. 25).

16. Regarding claims 18-24, claiming for mobile terminal, have similar limitation as claims 1-7. Therefore, claims 18-24 are rejected under Fodor for the same reason set forth in the rejection of claims 1-7.

17. Regarding claims 25-34, claiming for access point, have similar limitation as claims 8-17. Therefore, claims 25-34 are rejected under Fodor for the same reason set forth in the rejection of claims 8-17.

18. Regarding claim 38, Fodor further discloses a communications system, comprising:

- a mobile terminal configured to initiate a multimedia session with a remote host (Fodor, [0024]);
- a General Packet Radio Service (GPRS) network coupled to an Internet to which the remote host is coupled to through an access network including a gateway GPRS service node (GGSN) (Fodor, [0024]);
- a access network by way of a Universal Mobile Telecommunication Services (UMTS) Terrestrial Radio Access Network (UTRAN) coupled to the GPRS network and communicating with the mobile terminal over a radio interface (Fodor, [0037]-[0038]);

- wherein the mobile terminal sends a Packet Data Protocol (PDP) context request message associated with the multimedia session to the GGSN requesting a packet access bearer between the mobile terminal and the access point and sets an indicator in the PDP context request message indicating that the GGSN should function as a communications protocol proxy for the mobile terminal for the media data stream of the multimedia session (Fodor, [0056]); and
- wherein receives the PDP context request message, detects the indicator, and performs as the communications protocol proxy for the mobile terminal for the media data stream of the multimedia session (Fodor, [0056]-[0057]);

19. Regarding claims 39-41, claiming for communication system, have similar limitation as claims 31-32, and 34. Therefore, claims 39-41 are rejected under Fodor for the same reason set forth in the rejection of claims 31-32, and 34.

20. Claims 35-37 are rejected under 35 U.S.C 102(e) as being anticipated by Chen et al., (US Patent No. 6654610).

21. Regarding claim 35, Chen further discloses a computer generated data signal embodied in an electrical signal for use in a General Packet Radio Service (GPRS)/ Universal Mobile Telecommunication Services (UMTS) network comprising: a Packet Data Protocol (PDP) context activation, creation, modification, or update message for establishing or updating a multimedia session between a mobile terminal and a remote

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host, the PDP context activation, creation, modification, or update message having plural fields of information including a PDP configuration options (PCO) field that includes an indicator indicating whether the access point should function as a communications protocol proxy for the mobile terminal for the media data stream of the multimedia session (Chen, fig.7, col. 2, l.44-62, col.10, l.11-67, col.14, l.10-38) .

22. Regarding claim 36, Chen further discloses a computer generated data in claim 35, wherein the indicator field is part of an authorization token associated with the multimedia session (Chen, col. 2, l.44-55).

23. Regarding claim 37, Chen further discloses a computer generated data in claim 36, wherein the authorization token further includes one or both of a session identifier and a media binding identifier (Chen, col. 2, l.44-55) .

Conclusion

The prior art made of record and not relied upon is considered pertinent to application's disclosure.

- Barany et al., (US PG Pub No. 2002/0034166) Packet-Based Calls In A Wireless Network.
- Chen et al., (US PG Pub No. 2002/0093979) Resource Reservation in 3G or Future Generation Telecommunication Network.

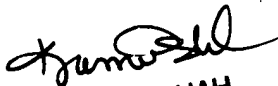
- Sevanto et al., (US Patent No. 6813638) Method and Arrangement for preparing for the transmission of multimedia-related information in a packet switched cellular radio network.
- IEEE – Bernet Y., The complementary roles of RSVP and differentiated services in the full Service QoS Network, Communication Magazine, IEEE, vol. 38, issue 2, Feb. 2000 pp.154-162.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kelvin Lin whose telephone number is 571-272-3898. The examiner can normally be reached on Flexible 4/9/5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on 571-272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

09/21/05
KYL


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PRIMARY EXAMINER